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OM nucleic - nucleic search, using sw model

Run on: May 22, 2005, 13:22:20 ; Search time 305.299 Seconds
(without alignments)
3756.139 Million cell updates/sec

Title: US-10-058-566-6

Perfect score: 187

Sequence: 1 cgcgtctgtagctgattgca.....agtgctagctgagaacatg.187

Scoring table:

IDENTITY NUC

Gapop 10.0 , Gapext 1.0

Searched: 5595437 seqs, 3066160638 residues

Total number of hits satisfying chosen parameters: 11390874

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications NA:*

- 1: /cgn2_6/ptodata/1/pubpna/US07_PUBCOMB.seq:*
- 2: /cgn2_6/ptodata/1/pubpna/PCT_NEW_PUB.seq:*
- 3: /cgn2_6/ptodata/1/pubpna/US06_NEW_PUB.seq:*
- 4: /cgn2_6/ptodata/1/pubpna/US06_PUBCOMB.seq:*
- 5: /cgn2_6/ptodata/1/pubpna/US07_NEW_PUB.seq:*
- 6: /cgn2_6/ptodata/1/pubpna/PCTUS_PUBCOMB.seq:*
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- 10: /cgn2_6/ptodata/1/pubpna/US09B_PUBCOMB.seq:*
- 11: /cgn2_6/ptodata/1/pubpna/US09C_PUBCOMB.seq:*
- 12: /cgn2_6/ptodata/1/pubpna/US09_NEW_PUB.seq:*
- 13: /cgn2_6/ptodata/1/pubpna/US10A_PUBCOMB.seq:*
- 14: /cgn2_6/ptodata/1/pubpna/US10B_PUBCOMB.seq:*
- 15: /cgn2_6/ptodata/1/pubpna/US10C_PUBCOMB.seq:*
- 16: /cgn2_6/ptodata/1/pubpna/US10D_PUBCOMB.seq:*
- 17: /cgn2_6/ptodata/1/pubpna/US10E_PUBCOMB.seq:*
- 18: /cgn2_6/ptodata/1/pubpna/US10F_PUBCOMB.seq:*
- 19: /cgn2_6/ptodata/1/pubpna/US10_NEW_PUB.seq:*
- 20: /cgn2_6/ptodata/1/pubpna/US11_NEW_PUB.seq:*
- 21: /cgn2_6/ptodata/1/pubpna/US60_NEW_PUB.seq:*
- 22: /cgn2_6/ptodata/1/pubpna/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	187	100.0	187	13	US-10-058-566-6
2	187	100.0	322	13	US-10-058-566-5
3	187	100.0	2544	13	US-10-058-566-3
4	43.8	23.4	714	17	US-10-260-238-2894
5	33.4	17.9	9797	9	US-09-070-927A-550
6	32.4	17.3	533	17	US-10-424-599-77478
7	31.6	16.9	352938	18	US-10-322-696-79
8	31.2	16.7	3183	15	US-10-072-077A-1
9	31	16.6	1852	18	US-10-437-563-71135
10	30.8	16.5	3000	19	US-10-489-062-1
11	30.8	16.5	39105	19	US-10-741-600-17653

c 12	30.4	16.3	2723	17	US-10-424-599-128315	Sequence 128315,
c 13	30.2	16.1	311	18	US-10-357-930-60121	Sequence 60121, A
c 14	30.2	16.1	93513	19	US-10-741-600-17623	Sequence 17623, A
c 15	30.2	16.1	98345	19	US-10-461-862-136	Sequence 136, App
c 16	30.2	16.1	99046	18	US-10-322-281-344	Sequence 344, App
c 17	30	16.0	30	9	US-09-766-399-42	Sequence 42, Appl
c 18	30	16.0	30	17	US-10-603-642-42	Sequence 42, Appl
c 19	30	16.0	488	18	US-10-333-872A-113	Sequence 113, App
c 20	30	16.0	1248	18	US-10-767-701-10664	Sequence 10664, A
c 21	30	16.0	193853	13	US-10-087-192-1663	Sequence 1663, Ap
c 22	29.8	15.9	1769	14	US-10-050-704-57	Sequence 57, Appl
c 23	29.8	15.9	1769	18	US-10-798-512-57	Sequence 57, Appl
c 24	29.6	15.8	246	9	US-09-923-876-2923	Sequence 2923, Ap
c 25	29.6	15.8	246	10	US-09-923-876-2923	Sequence 2923, Ap
c 26	29.6	15.8	679	13	US-10-027-632-111017	Sequence 11017,
c 27	29.6	15.8	679	17	US-10-027-632-111017	Sequence 11017,
c 28	29.6	15.8	829	17	US-10-424-599-43745	Sequence 43745, A
c 29	29.4	15.7	579	13	US-10-027-632-138392	Sequence 138392,
c 30	29.4	15.7	579	17	US-10-027-632-138392	Sequence 138392,
c 31	29.4	15.7	912	17	US-10-425-114-24071	Sequence 24071, A
c 32	29.4	15.7	107613	18	US-10-333-069-1	Sequence 1, Appli
c 33	29.2	15.6	524	17	US-10-416-314-125	Sequence 125, App
c 34	29.2	15.6	1255	10	US-09-898-837A-10	Sequence 10, Appl
c 35	29.2	15.6	1987	17	US-10-291-265-707	Sequence 707, App
c 36	29.2	15.6	2481	18	US-10-437-963-73787	Sequence 73787, A
c 37	29.2	15.6	3348	10	US-09-976-800-94	Sequence 94, Appl
c 38	29.2	15.6	3348	14	US-10-138-838-94	Sequence 94, Appl
c 39	29.2	15.6	3348	14	US-10-139-031-94	Sequence 94, Appl
c 40	29.2	15.6	3348	14	US-10-138-905-94	Sequence 94, Appl
c 41	29.2	15.6	3348	14	US-10-138-916-94	Sequence 94, Appl
c 42	29.2	15.6	3348	15	US-10-139-296-94	Sequence 94, Appl
c 43	29.2	15.6	3348	16	US-10-139-218-94	Sequence 94, Appl
c 44	29.2	15.6	3348	16	US-10-405-660-94	Sequence 94, Appl
c 45	29.2	15.6	3348	17	US-10-138-898-94	Sequence 94, Appl

ALIGNMENTS

RESULT 1
US-10-058-566-6
; Sequence 6, Application US/10058566
; Publication No. US20020183274A1
; GENERAL INFORMATION:
; APPLICANT: ALBERTSEN, MARC
; APPLICANT: FOX, TIM
; APPLICANT: HUFFMAN, GARY
; APPLICANT: TRIMNELL, MARY
; TITLE OF INVENTION: NUCLEOTIDE SEQUENCES MEDIATING MALE FERTILITY AND
; FILE REFERENCE: PHI 1147
; CURRENT APPLICATION NUMBER: US/10/058.566
; CURRENT FILING DATE: 2002-01-28
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 6
; LENGTH: 187
; TYPE: DNA
; ORGANISM: Zea mays
US-10-058-566-6

Query Match	100.0%	Score 187;	DB 13;	Length 187;
Best Local Similarity	100.0%	Pred. No. 3.6e-53;		
Matches 187;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
Qy	1	CGCGTCTGATCGAATGCAAAATCTACCTCAACCAACCCAGCTTTGATCTGCTTACTG	60	
Db	1	CGCGTCTGATCGAATGCAAAATCTACCTCAACCAACCCAGCTTTGATCTGCTTACTG	60	
Qy	61	TGATCACAAGTGTGCTGATAGATGCGATTATGCTTTCTTCTCTAGAAATGTT	120	
Db	61	TGATCACAAGTGTGCTGATAGATGCGATTATGCTTTCTTCTCTAGAAATGTT	120	

QY 121 CTGCGCGATGCTTTATAGAGAGGTTGGTCAGCATCGATCTCTGCCAGTGTCTAGCTGA 180
Db ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
QY 121 CTGCGCGATGCTTTATAGAGAGGTTGGTCAGCATCGATCTCTGCCAGTGTCTAGCTGA 180
Db ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
QY 181 GAACATG 187
Db |||||||
QY 181 GAACATG 187

RESULT 2

US-10-058-566-5
; Sequence 5, Application US/10058566
; Publication No. US20020183274A1
; GENERAL INFORMATION:
; APPLICANT: ALBERTSEN, MARC
; APPLICANT: FOX, TIM
; APPLICANT: HUFFMAN, GARY
; APPLICANT: TRIMMELL, MARY
; TITLE OF INVENTION: NUCLEOTIDE SEQUENCES MEDIATING MALE FERTILITY AND
; FILE REFERENCE: METHOD OF USING SAME
; CURRENT APPLICATION NUMBER: US/10/058,566
; CURRENT FILING DATE: 2002-01-28
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 5
; LENGTH: 322
; TYPE: DNA
; ORGANISM: Zea mays
US-10-058-566-5

Query Match 100.0%; Score 187; DB 13; Length 322;
Best Local Similarity 100.0%; Pred. No. 4.4e-53;
Matches 187; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CGCGTCTCGATCGATTGCAAAATCTACCTCCAACCAACCCAGCTTTGTATCTGCTTACTG 60
Db ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
QY 136 CGCGTCTCGATCGATTGCAAAATCTACCTCCAACCAACCCAGCTTTGTATCTGCTTACTG 195
Db ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
QY 61 TGATCACCAAAAGTTGGTGTACGATGTGCGATTATTGCTCTTTCTCTAGAAATGTT 120
Db ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
QY 196 TGATCACCAAAAGTTGGTGTACGATGTGCGATTATTGCTCTTTCTCTAGAAATGTT 255
Db ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
QY 121 CTGCGCGATGCTTTATAGAGAGGTTGGTCAGCATCGATCTCTGCCAGTGTCTAGCTGA 180
Db ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
QY 256 CTGCGCGATGCTTTATAGAGAGGTTGGTCAGCATCGATCTCTGCCAGTGTCTAGCTGA 315
Db |||||||
QY 181 GAACATG 187
Db |||||||
QY 316 GAACATG 322

RESULT 3

US-10-058-566-3
; Sequence 3, Application US/10058566
; Publication No. US20020183274A1
; GENERAL INFORMATION:
; APPLICANT: ALBERTSEN, MARC
; APPLICANT: FOX, TIM
; APPLICANT: HUFFMAN, GARY
; APPLICANT: TRIMMELL, MARY
; TITLE OF INVENTION: NUCLEOTIDE SEQUENCES MEDIATING MALE FERTILITY AND
; FILE REFERENCE: METHOD OF USING SAME
; CURRENT APPLICATION NUMBER: US/10/058,566
; CURRENT FILING DATE: 2002-01-28
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3
; LENGTH: 2544
; TYPE: DNA
; ORGANISM: Zea mays
US-10-058-566-3

Query Match 100.0%; Score 187; DB 13; Length 2544;
Best Local Similarity 100.0%; Pred. No. 1e-52;
Matches 187; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 CGCGTCTCGATCGATTGCAAAATCTACCTCCAACCAACCCAGCTTTGTATCTGCTTACTG 60
Db ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
QY 136 CGCGTCTCGATCGATTGCAAAATCTACCTCCAACCAACCCAGCTTTGTATCTGCTTACTG 195
Db ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
QY 61 TGATCACCAAAAGTTGGTGTACGATGTGCGATTATTGCTCTTTCTCTAGAAATGTT 120
Db ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
QY 196 TGATCACCAAAAGTTGGTGTACGATGTGCGATTATTGCTCTTTCTCTAGAAATGTT 255
Db ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
QY 121 CTGCGCGATGCTTTATAGAGAGGTTGGTCAGCATCGATCTCTGCCAGTGTCTAGCTGA 180
Db ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
QY 256 CTGCGCGATGCTTTATAGAGAGGTTGGTCAGCATCGATCTCTGCCAGTGTCTAGCTGA 315
Db |||||||
QY 181 GAACATG 187
Db |||||||
QY 316 GAACATG 322

RESULT 4

US-10-260-238-2894
; Sequence 2894, Application US/10260238
; Publication No. US20040016025A1
; GENERAL INFORMATION:
; APPLICANT: Budworth, Paul R.
; APPLICANT: Moughamer, Todd G.
; APPLICANT: Briggs, Steven P.
; APPLICANT: Cooper, Bret
; APPLICANT: Glazebrook, Jane
; APPLICANT: Goff, Stephen A.
; APPLICANT: Katagiri, Fumiaki
; APPLICANT: Kreps, Joel
; APPLICANT: Provart, Nicholas
; APPLICANT: Rieke, Darrell
; APPLICANT: Zhu, Tong
; TITLE OF INVENTION: PROMOTERS FOR REGULATION OF PLANT EXPRESSION
; FILE REFERENCE: 60111-NP
; CURRENT APPLICATION NUMBER: US/10/260,238
; CURRENT FILING DATE: 2002-09-26
; PRIOR APPLICATION NUMBER: US 60/325,448
; PRIOR FILING DATE: 2001-09-26
; PRIOR APPLICATION NUMBER: US 60/325,277
; PRIOR FILING DATE: 2001-09-26
; PRIOR APPLICATION NUMBER: US 60/370,620
; PRIOR FILING DATE: 2002-04-04
; NUMBER OF SEQ ID NOS: 6077
; SEQ ID NO 2894
; LENGTH: 714
; TYPE: DNA
; ORGANISM: Triticum aestivum
US-10-260-238-2894

Query Match 23.4%; Score 43.8; DB 17; Length 714;
Best Local Similarity 63.9%; Pred. No. 0.0003;
Matches 99; Conservative 0; Mismatches 52; Indels 4; Gaps 2;
QY 5 TCCTGGATCGATTGCAAAATCTACCTCCAACCAACCCAGCTTTGTATCTGCTTACTGTGAT 64
Db ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
QY 432 TTCAGATGTTACTGTAAATCTGCAATCTACCAACCCAGCTTTGACCTGTTAATAACTGT 491
Db ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
QY 65 CACCAAAAGTTGCTGTACGATACGATGTGCGATTATTGCTCTTTCTCTAGAAATGTTCTG 124
Db ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
QY 492 GATCACAAAATGGG---TGATGAACCATTTTGATCCTCCTCTCTAGAAATGTTCTTT 548
Db ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
QY 125 CGATGCTTTTATAGAGAGGTTGGTCAGCATCGA 159
Db ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
QY 549 GACGTGC-TTATATGAGAAAGCTGGATTTCCTCAA 582
Db ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||

RESULT 5

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; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 77478
; LENGTH: 533
; TYPE: DNA
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_40980C.1
US-10-424-599-77478

Query Match 17.3%; Score 32.4; DB 17; Length 533;
Best Local Similarity 54.1%; Pred. No. 2;
Matches 66; Conservative 0; Mismatches 56; Indels 0; Gaps 0;

Qy 24 CTACTCCCAACCAACCAGCTTTGTATCTGTCTTACTGTGTATCACCACCAAGTTGTGCTGATA 83
Db 253 CTGCTTCCATCTTCCCCATCATGTCTCATGCCCTGGAATGGGATTCACCTTGGCTGATT 312

Qy 84 CGATGTGCGATTTATGCTCTTCTTCTCTAGATGTTCTGCCGATGCTTTATAAGAGAA 143
Db 313 TCGTCATGCGCTTTTCTTTCTTTTCATGCTGGAATTTCTTGGCCCTCGTTTATAAGAGAA 372

Qy 144 GG 145
Db 373 GG 374

RESULT 7
US-10-322-696-79
; Sequence 79, Application US/10322656
; Publication No. US20040166490A1
; GENERAL INFORMATION:
; APPLICANT: Morris, David W.
; APPLICANT: Malandro, Marc
; TITLE OF INVENTION: NOVEL THERAPEUTIC TARGETS IN CANCER
; FILE REFERENCE: 529452001200
; CURRENT APPLICATION NUMBER: US/10/322,696
; CURRENT FILING DATE: 2003-10-17
; NUMBER OF SEQ ID NOS: 186
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 79
; LENGTH: 352938
; TYPE: DNA
; ORGANISM: Mus musculus
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)-(352938)
; OTHER INFORMATION: n = A,T,C or G
US-10-322-696-79

Query Match 16.9%; Score 31.6; DB 18; Length 352938;
Best Local Similarity 62.8%; Pred. No. 54;
Matches 49; Conservative 0; Mismatches 29; Indels 0; Gaps 0;

Qy 110 TCTAGAAATGTTCTGCCGATGCTTTTATAGAGAAAGTTGGTACAGCATCGATCTCTGCCAG 169
Db 319069 TTTAGTATGCAACCGCGATGGCTTGGAGACAATGATGCTCAGCCTAAATCTTAGCCAT 319128

Qy 170 TGTCTAGCTGAGAACATG 187
Db 319129 TTTCACATTTGGACAG 319146

RESULT 8
US-10-072-077A-1/c
; Sequence 1, Application US/10072077A
; Publication No. US20030150009A1
; GENERAL INFORMATION:

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; APPLICANT: Gallie, Daniel R.
; APPLICANT: Young, Todd E.
; APPLICANT: The Regents of the University of California
; TITLE OF INVENTION: Generation of Multiple Embryo Maize
; FILE REFERENCE: 023070-121500US
; CURRENT APPLICATION NUMBER: US/10/072,077A
; CURRENT FILING DATE: 2002-02-07
; NUMBER OF SEQ ID NOS: 1
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 3183
; TYPE: DNA
; ORGANISM: Arabidopsis thaliana
; FEATURE:
; NAME/KEY: promoter
; LOCATION: (1)..(3183)
; OTHER INFORMATION: senescence-associated gene 12-1 (SAG12-1) promoter
US-10-072-077A-1

Query Match          16.7%; Score 31.2; DB 16; Length 3183;
Best Local Similarity 52.3%; Pred. No. 11;
Matches 69; Conservative 0; Mismatches 63; Indels 0; Gaps 0;

QY 5 TCCTGATCGATTGCAAACTACCTCCCAACCAACCCAGCTTTGTATCTGCTTACTGTGAT 64
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 404 TCATATATTGAGTATTGATCTCACTAATTCATAATCACTATTCACCTGTTTCATTAAA 345

QY 65 CACCAAAAGTTGCTGATACGATGCGAATATTCCTTTCTCTCTAGAAATGTTCTCG 124
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 344 AAAACAAGTTTCGTATATAAACTTGGAATATTTGTTTAAATTAATTGAACGTACATT 285

QY 125 CCGATGCTTTAT 136
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 284 GTTATGGGTCT 273

RESULT 9
US-10-437-963-71135/c
; Sequence 71135, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated with
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 71135
; LENGTH: 1852
; TYPE: DNA
; ORGANISM: Oryza sativa
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_71638C.1
US-10-437-963-71135

Query Match          16.6%; Score 31; DB 18; Length 1852;
Best Local Similarity 59.8%; Pred. No. 9.9;
Matches 52; Conservative 0; Mismatches 35; Indels 0; Gaps 0;

QY 15 ATTGCAAACTACCTCCCAACCAACCCAGCTTTGTATCTGCTTACTGTGATCAACCAAGTT 74
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 946 ATTGCTAGTCCCTCTCCCAACCAACCTCTCTTTTCTCTCTTCTGATGGCATCAACCTCGTT 887

QY 75 GTGCTGATACGATGTCGGAATTATTCCT 101
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
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Db 886 GTTATCAGCACCTACACCACTTCTTGCT 860

RESULT 10
US-10-489-062-1
; Sequence 1, Application US/10489062
; Publication No. US20050055738A1
; GENERAL INFORMATION:
; APPLICANT: The University of North Carolina at Chapel Hill
; APPLICANT: Dangl, Jeffrey L
; APPLICANT: Epple, Petra
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR REGULATION OF CELL DEATH IN PLANTS
; FILE REFERENCE: 421/50 PCT
; CURRENT APPLICATION NUMBER: US/10/489,062
; CURRENT FILING DATE: 2004-03-09
; PRIOR APPLICATION NUMBER: US 60/326,534
; PRIOR FILING DATE: 2001-09-28
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1
; LENGTH: 3000
; TYPE: DNA
; ORGANISM: Arabidopsis thaliana
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (766)..(843)
; OTHER INFORMATION:
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (2020)..(2130)
; OTHER INFORMATION:
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (2276)..(2311)
; OTHER INFORMATION:
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1366)..(1476)
; OTHER INFORMATION:
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1153)..(1278)
; OTHER INFORMATION:
US-10-489-062-1

Query Match          16.5%; Score 30.8; DB 19; Length 3000;
Best Local Similarity 54.4%; Pred. No. 14;
Matches 62; Conservative 0; Mismatches 52; Indels 0; Gaps 0;

QY 10 GATCGATTGCAAACTACCTCCCAACCAACCCAGCTTTGTATCTGCTTACTGTGATCACA 69
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 2157 GATCGGTTTTAAATCAGTCGCAAACTAACAAAATTAATCTCTCTTTTTTTTAAACATCAG 2216

QY 70 AAGTTGTGCTGATACGATGTCGGAATTATTCCTTTCTCTCTAGAAATGTTCTCT 123
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 2217 AACGTTCTTATATATGTTTATTTTGTGCTATTGTTTGATAAATGCT 2270

RESULT 11
US-10-741-600-17653/c
; Sequence 17653, Application US/10741600
; Publication No. US20050026169A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: MYOCARDIAL INFARCTION, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001499
; CURRENT APPLICATION NUMBER: US/10/741,600
; CURRENT FILING DATE: 2003-12-22
; NUMBER OF SEQ ID NOS: 73997
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 17653
; LENGTH: 39105
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; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(39105)
; OTHER INFORMATION: n = A,T,C or G, or insertion/deletion polymorphism (see Tables 1-
US-10-741-600-17623

Query Match      16.5%; Score 30.8; DB 19; Length 39105;
Best Local Similarity 48.3%; Pred. No. 41;
Matches 86; Conservative 0; Mismatches 92; Indels 0; Gaps 0;

Qy 10 GATCGATTGCAATCTACCTCCACCAACCAGCTTTGTATCTCTTACTGTGATCACCACCA 69
Db 916 GGTAGGTTACAGACATGGGTTTGTCTTAGCAAAATGTATCTTCAAGGTTTGAACAACAT 857

Qy 70 AAGTTGTGCTGATACGATGCGATTATTGCTCTTCTCTAGAAATGTTCTTCCCGCAT 129
Db 856 AAGTTTGAAGTTTGTGTTAGGATGCTACTACTTGCACAGTTGATCTCCCTGGAGTC 797

Qy 130 GCTTTAATAGAGAAGTTGGTCAGCATGATCTCTGCCAGTGTCTAGCTGAGAACATG 187
Db 796 CCTGAGAAAGGTCAGTGGGAGCAAAATGGGSCCTTGTAGGGGTGGGCGAGGAACATG 739

RESULT 12
US-10-424-599-128315/c
; Sequence 128315, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 128315
; LENGTH: 2723
; TYPE: DNA
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_86874C.1
US-10-424-599-128315

Query Match      16.3%; Score 30.4; DB 17; Length 2723;
Best Local Similarity 51.5%; Pred. No. 19;
Matches 70; Conservative 0; Mismatches 66; Indels 0; Gaps 0;

Qy 44 TTGTATCTGCTTACTGTGATCACCAGTTGTCTGTATAGATGTCGATGTCGATTATTGCTCT 103
Db 798 TATCAACAGCAGCAATTTGTTAATAGAAAGTGTCTGTCTGCGAGTGCATCTTTTGTCTTC 739

Qy 104 TTCTTCTCTAGAAATGTTCTCCCGATGCTTTATAGAGAAGTTGGTCAGCATCGATCTC 163
Db 738 CAAAATGGAAATGTTCTCTCGTATGATGCGCAACATAAATTTCACTGTATCCAACTT 679

Qy 164 TGCCAGTGTCTAGCTG 179
Db 678 CAGAAGTAGCTTTCCG 663

RESULT 13
US-10-357-930-60121/c
; Sequence 60121, Application US/10357930
; Publication No. US20040259086A1
; GENERAL INFORMATION:
; APPLICANT: Schlegel, Robert
; APPLICANT: Endege, Wilson
; APPLICANT: Monahan, John
```

```
; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS FOR
; TITLE OF INVENTION: IDENTIFICATION, ASSESSMENT, PREVENTION, AND THERAPY OF
; TITLE OF INVENTION: HUMAN PROSTATE CANCER
; FILE REFERENCE: MRI-007BCN
; CURRENT APPLICATION NUMBER: US/10/357,930
; CURRENT FILING DATE: 2003-02-04
; PRIOR APPLICATION NUMBER: 09/785,276
; PRIOR FILING DATE: 2003-02-16
; PRIOR APPLICATION NUMBER: 60/183,319
; PRIOR FILING DATE: 2000-02-17
; PRIOR APPLICATION NUMBER: 60/189,862
; PRIOR FILING DATE: 2000-03-16
; PRIOR APPLICATION NUMBER: 60/207,454
; PRIOR FILING DATE: 2000-05-25
; PRIOR APPLICATION NUMBER: 60/211,314
; PRIOR FILING DATE: 2000-06-09
; PRIOR APPLICATION NUMBER: 60/219,007
; PRIOR FILING DATE: 2000-07-18
; PRIOR APPLICATION NUMBER: 60/255,281
; PRIOR FILING DATE: 2000-12-13
; NUMBER OF SEQ ID NOS: 62232
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 60121
; LENGTH: 311
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-10-357-930-60121

Query Match      16.1%; Score 30.2; DB 18; Length 311;
Best Local Similarity 62.7%; Pred. No. 8.9;
Matches 47; Conservative 0; Mismatches 28; Indels 0; Gaps 0;

Qy 109 CTCTAGAATGTTCTGCGCATGCTTTATAAGAGAAGTTGGTCAGCATCGATCTCTGCCA 168
Db 124 CTCTAGAATTTAATGCTTTATATTTTATGTCAGTGTGTTAGTGCACACATCTCTGCCA 65

Qy 169 GTGCTAGCTAGAGAA 183
Db 64 GTTCTGCTGAAAA 50

RESULT 14
US-10-741-600-17623/c
; Sequence 17623, Application US/10741600
; Publication No. US20050026169A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; FILE REFERENCE: C1001499
; CURRENT APPLICATION NUMBER: US/10/741,600
; CURRENT FILING DATE: 2003-12-22
; NUMBER OF SEQ ID NOS: 73997
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 17623
; LENGTH: 93513
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(93513)
; OTHER INFORMATION: n = A,T,C or G, or insertion/deletion polymorphism (see Tables 1-
US-10-741-600-17623

Query Match      16.1%; Score 30.2; DB 19; Length 93513;
Best Local Similarity 52.0%; Pred. No. 93;
Matches 91; Conservative 0; Mismatches 83; Indels 1; Gaps 1;

Qy 14 GATTGCAATCTACCTCCACCAACCAGCTTTGTATCTGCTTACTGTGATCACCACCAAGT 73
Db 5357 GAATGCAAGACTGAACACAGAAAACCTAATTTTGGAGCCCTCGACGCAATAGTAGAGA 5298

Qy 74 TGTGCTGATAGATGTGCGATTATTGCTCTTTCTT-CTCTAGAAATGTTCTTGGCGATGCT 132
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Db      5297 TAGGATAATCCCAAGGGAGTATTCTCTTTCTTGAAGAGATGGTGCTACCATTCAT 5238
QY      133 TTATAAGAGAGAGTTGGTCAGCATCGATCTCTGCGCAGTGTCTAGCTGAGAACATG 187
Db      5237 GGAGAAAAAAACACTGAGAAATGAAGTTATATGCATGTATGTGTCATGCAGATG 5183
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RESULT 15
US-10-461-862-136/c
; Sequence 136, Application US/10461862
; Publication No. US20050090434A1
; GENERAL INFORMATION:
; APPLICANT: David W. Morris
; APPLICANT: Marc S. Malandro
; TITLE OF INVENTION: Novel Therapeutic Targets in Cancer
; FILE REFERENCE: 529452001800
; CURRENT APPLICATION NUMBER: US/10/461,862
; CURRENT FILING DATE: 2003-06-13
; NUMBER OF SEQ ID NOS: 184
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 136
; LENGTH: 98345
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-461-862-136
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Query Match      16.1%; Score 30.2; DB 19; Length 98345;
Best Local Similarity 53.9%; Pred. NO. 95;
Matches 62; Conservative 0; Mismatches 53; Indels 0; Gaps 0;

QY      68 CAAAGTTGTGTGATACGATGCGGATTTATGCTCTTTCTTCTCTAGAAATGTTCTGCGG 127
Db      36511 CCAGTAGCTCCGAGGTTCTGCCAATGCTTGTCCTTCTTCCCTCTCAGGTGCAAGACG 36452

QY      128 ATGCTTTTATAAGAGAAGGTTGGTCAGCATCTGCGCAGTGTCTAGCTGAGA 182
Db      36451 ATTGATTATGAGCAGAGAGGTTCCAGCTGAGCCTTCAGCCATAGCCAGCTAACA 36397
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Search completed: May 22, 2005, 16:22:00
Job time : 309.299 secs

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OM nucleic - nucleic search, using sw model

Run on: May 22, 2005, 10:33:14 ; Search time 73.11 Seconds
(without alignments)
4185.250 Million cell updates/sec

Title: US-10-058-566-6
Perfect score: 187
Sequence: 1 cgcgtctgtagctgacga.....agtgctagctgagacatg 187

Scoring table: IDENTITY NUC
Gapop 10.0 , Gapext 1.0

Searched: 1202784 seqs, 818138359 residues

Total number of hits satisfying chosen parameters: 2405568

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents NA.*
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4: /cgn2_6/ptodata/1/ina/6B_COMB.seq.*
5: /cgn2_6/ptodata/1/ina/PCTUS_COMB.seq.*
6: /cgn2_6/ptodata/1/ina/backfiles.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	33.4	17.9	2013	4	US-09-134-000C-1201
2	32.8	17.5	268449	4	US-03-949-016-17244
3	31.6	16.9	64638	4	US-09-949-016-11767
4	31.6	16.9	64639	4	US-09-949-016-11767
5	31.2	16.7	3182	3	US-08-971-395-1
6	31.2	16.7	3183	1	US-08-413-135-1
7	31	16.5	78125	4	US-09-949-016-16006
8	30.8	16.5	7960	4	US-03-949-016-14930
9	30.6	16.4	85122	4	US-09-949-016-14693
10	30.6	16.4	119214	4	US-09-949-016-12507
11	30.2	16.1	601	4	US-09-949-016-53012
12	30.2	16.1	81681	4	US-09-949-016-13274
13	29.8	15.9	7212	4	US-09-976-594-243
14	29.6	15.8	150597	4	US-09-949-016-15379
15	29.2	15.6	699	4	US-09-328-352-3148
16	29.2	15.6	3348	3	US-09-302-620B-94
17	29.2	15.6	3348	4	US-09-912-161-12
18	29	15.5	714	4	US-09-134-000C-1372
19	28.8	15.4	966	4	US-03-328-352-1604
20	28.8	15.4	60141	4	US-09-949-016-15874
21	28.8	15.4	129899	4	US-09-949-016-14684
22	28.8	15.4	148156	4	US-09-949-016-11776
23	28.6	15.3	601	4	US-09-949-016-182913
24	28.6	15.3	601	4	US-09-949-016-182914
25	28.6	15.3	601	4	US-09-949-016-182915
26	28.6	15.3	51967	4	US-09-949-016-16982
27	28.6	15.3	55665	4	US-09-949-016-14026

Sequence 8, Appli
Sequence 1386, Ap
Sequence 2173, Ap
Sequence 16369, A
Sequence 15497, A
Sequence 172378,
Sequence 172379,
Sequence 1623, Ap
Sequence 92, Appl
Sequence 14173, A
Sequence 16621, A
Sequence 33149, A
Sequence 132526,
Sequence 13918, A
Sequence 13816, A
Sequence 25, Appl
Sequence 16026, A
Sequence 1524, A

c 28 28.4 15.2 1590 3 US-09-334-938-8
29 28.4 15.2 2226 4 US-09-248-796A-1386
c 30 28.4 15.2 3328 4 US-09-949-016-2173
31 28.4 15.2 136917 4 US-09-949-016-16369
32 28.4 15.2 245286 4 US-09-949-016-15497
33 28.2 15.1 601 4 US-09-949-016-172378
34 28.2 15.1 601 4 US-09-949-016-172379
35 28.2 15.1 3087 4 US-09-328-352-1623
c 36 28.2 15.1 3832 3 US-08-961-527-92
37 28.2 15.1 54601 4 US-09-949-016-14173
38 28.2 15.1 108341 4 US-09-949-016-16621
c 39 28 28 601 4 US-09-949-016-33149
40 28 28 601 4 US-09-949-016-152526
41 28 15.0 10718 4 US-09-949-016-11918
42 28 15.0 10718 4 US-09-949-016-13816
43 28 15.0 12482 4 US-09-512-563C-25
44 28 15.0 50073 4 US-09-949-016-16026
45 28 15.0 133278 4 US-09-949-016-12524

ALIGNMENTS

RESULT 1

US-09-134-000C-1201
; Sequence 1201, Application US/09134000C
; Patent No. 6617156
; GENERAL INFORMATION:
; APPLICANT: Lynn Doucette-Stamm et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO
; FILE REFERENCE: 032796-032
; CURRENT APPLICATION NUMBER: US/09/134.000C
; CURRENT FILING DATE: 1998-08-13
; PRIOR APPLICATION NUMBER: US 60/055,778
; PRIOR FILING DATE: 1997-08-15
; NUMBER OF SEQ ID NOS: 6812
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1201
; LENGTH: 2013
; TYPE: DNA
; ORGANISM: Enterococcus faecalis
US-09-134-000C-1201

Query Match 17.9%; Score 33.4; DB 4; Length 2013;
Best Local Similarity 52.5%; Pred. No. 0.26;
Matches 73; Conservative 0; Mismatches 66; Indels 0; Gaps 0;
Qy 8 TGGATCGATTGCAAAATCTACTCCCAACCAACCCAGCTTTGTATCTGTCTTACTGTGATCAC 67
Db 1698 TGGAAACGATTGTACACTATTCCCAACAAACATGCATTAGTTTGTATTTCAGATAACGG 1757
Qy 68 CAAAGTTGCTGTAGTACGATGTGCGATTATGCTCTTCTCTCTAGATCTTCTGCGG 127
Db 1758 CACAGAAATTATGATTCATATTGGGATTGATACAGTTCAATTAGAACGCCGAAGCTTTGA 1817
Qy 128 ATGCTTTATAAGAGAAGGT 146
Db 1818 AGCTTTTGAACACAGGT 1836

RESULT 2

US-09-949-016-17244
; Sequence 17244, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755

;; PRIOR FILING DATE: 2000-10-20
;; PRIOR APPLICATION NUMBER: 60/237,768
;; PRIOR FILING DATE: 2000-10-03
;; PRIOR APPLICATION NUMBER: 60/231,498
;; PRIOR FILING DATE: 2000-09-08
;; NUMBER OF SEQ ID NOS: 207012
;; SOFTWARE: FastSeq for Windows Version 4.0
;; SEQ ID NO 17244
;; LENGTH: 268449
;; TYPE: DNA
;; ORGANISM: Human
;; FEATURE:
;; NAME/KEY: misc feature
;; LOCATION: (1)-(268449)
;; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-17244

Query Match 17.5%; Score 32.8; DB 4; Length 268449;
Best Local Similarity 59.8%; Pred. No. 3.1;
Matches 55; Conservative 0; Mismatches 37; Indels 0; Gaps 0;

QY 73 TTGTCGTATAGATGTCGATATGCTCTTTCTCTAGATGTTCTCCGATGCT 132
DB 92262 TTATCTGATAGATCTCAATATTTCTGTGTTATCTTGAATTTGTTGACCTTCT 92321

QY 133 TTATAAGAGAAGTTGGTCAGCATGATCTCT 164
DB 92322 CAACAATATTTTGAATTTGTTGATCTCTCT 92353

RESULT 3
US-09-949-016-11767/c
;; Sequence 11767, Application US/09949016
;; Patent No. 6812339
;; GENERAL INFORMATION:
;; APPLICANT: VENTER, J. Craig et al.
;; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
;; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
;; FILE REFERENCE: CL001307
;; CURRENT APPLICATION NUMBER: US/09/949,016
;; CURRENT FILING DATE: 2000-04-14
;; PRIOR APPLICATION NUMBER: 60/241,755
;; PRIOR FILING DATE: 2000-10-20
;; PRIOR APPLICATION NUMBER: 60/237,768
;; PRIOR FILING DATE: 2000-10-03
;; PRIOR APPLICATION NUMBER: 60/231,498
;; PRIOR FILING DATE: 2000-09-08
;; NUMBER OF SEQ ID NOS: 207012
;; SOFTWARE: FastSeq for Windows Version 4.0
;; SEQ ID NO 11767
;; LENGTH: 64638
;; TYPE: DNA
;; ORGANISM: Human
;; FEATURE:
;; NAME/KEY: misc feature
;; LOCATION: (1)-(64638)
;; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-11767

Query Match 16.9%; Score 31.6; DB 4; Length 64638;
Best Local Similarity 65.7%; Pred. No. 4.5;
Matches 46; Conservative 0; Mismatches 24; Indels 0; Gaps 0;

QY 46 TGTATCTGCTTACTGTGATCACCAGTTGCTGTGATGATGCGATGATGCTCTTT 105
DB 47673 TATATAAGATTAAATGAGCAGTGAAGTTTGCTAAGACATTCAGCTTTTATCTCTTC 47614

QY 106 CTCTCTAGA 115
DB 47613 ATTCTCTAAA 47604

RESULT 4

US-09-949-016-13520/c
;; Sequence 13520, Application US/09949016
;; Patent No. 6812339
;; GENERAL INFORMATION:
;; APPLICANT: VENTER, J. Craig et al.
;; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
;; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
;; FILE REFERENCE: CL001307
;; CURRENT APPLICATION NUMBER: US/09/949,016
;; CURRENT FILING DATE: 2000-04-14
;; PRIOR APPLICATION NUMBER: 60/241,755
;; PRIOR FILING DATE: 2000-10-20
;; PRIOR APPLICATION NUMBER: 60/237,768
;; PRIOR FILING DATE: 2000-10-03
;; PRIOR APPLICATION NUMBER: 60/231,498
;; PRIOR FILING DATE: 2000-09-08
;; NUMBER OF SEQ ID NOS: 207012
;; SOFTWARE: FastSeq for Windows Version 4.0
;; SEQ ID NO 13520
;; LENGTH: 64639
;; TYPE: DNA
;; ORGANISM: Human
;; FEATURE:
;; NAME/KEY: misc feature
;; LOCATION: (1)-(64639)
;; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-13520

Query Match 16.9%; Score 31.6; DB 4; Length 64639;
Best Local Similarity 65.7%; Pred. No. 4.5;
Matches 46; Conservative 0; Mismatches 24; Indels 0; Gaps 0;

QY 46 TGTATCTGCTTACTGTGATCACCAGTTGCTGTGATGATGCGATGATGCTCTTT 105
DB 47673 TATATAAGATTAAATGAGCAGTGAAGTTTGCTAAGACATTCAGCTTTTATCTCTTC 47614

QY 106 CTCTCTAGA 115
DB 47613 ATTCTCTAAA 47604

RESULT 5
US-08-971-395-1/c
;; Sequence 1, Application US/08971395
;; Patent No. 6359197
;; GENERAL INFORMATION:
;; APPLICANT: Amasino, Richard M
;; APPLICANT: No. 6359197, Yoo-Sun
;; APPLICANT: Gan, Susheng
;; TITLE OF INVENTION: Transgenic Plants with Altered
;; Senescence Characteristics
;; NUMBER OF SEQUENCES: 5
;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: Quarles & Brady
;; STREET: 1 South Pinckney Street
;; CITY: Madison
;; STATE: WI
;; COUNTRY: US
;; ZIP: 53701-2113
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Floppy disk
;; COMPUTER: IBM PC compatible
;; OPERATING SYSTEM: PC-DOS/MS-DOS
;; SOFTWARE: PatentIn Release #1.0, Version #1.30
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/08/971,395
;; FILING DATE:
;; CLASSIFICATION: 800
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Seay, Nicholas J.
;; REGISTRATION NUMBER: 27386
;; REFERENCE/DOCKET NUMBER: 960296.94908
;; TELECOMMUNICATION INFORMATION:

TELEPHONE: 608-251-5000
TELEFAX: 608-251-9166
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 3182 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-08-971-395-1

Query Match 16.7%; Score 31.2; DB 3; Length 3182;
Best Local Similarity 52.3%; Pred. No. 1.8;
Matches 69; Conservative 0; Mismatches 63; Indels 0; Gaps 0;

QY 5 TCTGGATCGATTGCAAACTTACCTCCAAACCCAGCTTTGTATCTGCTTACTGTGAT 64
DB 404 TCATATATTGAGTATTGATCTTAATTCATAATCACTATTCACATGTTTCATTAAA 345
QY 65 CACCAAGTTGTGCTGATACGATGCGATTGCTCTTTCTCTAGAAATGTTCTGTG 124
DB 344 AAAACAAGTTTCGTATATAAACTTGGAAATATTGTTTAAATTAATTGAACGTACATT 285
QY 125 CCGATGCTTTAT 136
DB 284 GTTATGGGTCT 273

RESULT 6
US-08-413-135-1/c
Sequence 1, Application US/08413135
Patent No. 5689042
GENERAL INFORMATION:
APPLICANT: Amasino, Richard M
APPLICANT: Gan, Sushang
TITLE OF INVENTION: Transgenic Plants with Altered
NUMBER OF SEQUENCES: 3
CORRESPONDENCE ADDRESS:
ADDRESSEE: Quarles & Brady
STREET: 1 South Pinckney Street
CITY: Madison
STATE: WI
COUNTRY: US
ZIP: 53703
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/413.135
FILING DATE:
CLASSIFICATION: 800
ATTORNEY/AGENT INFORMATION:
NAME: Seay, Nicholas J
REGISTRATION NUMBER: 27,386
REFERENCE/DOCKET NUMBER: 960296.92808
TELECOMMUNICATION INFORMATION:
TELEPHONE: 608-251-5000
TELEFAX: 608-251-9166
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 3183 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: other nucleic acid
DESCRIPTION: /desc = "SAG12-1 Promoter DNA"
US-08-413-135-1

Query Match 16.7%; Score 31.2; DB 1; Length 3183;
Best Local Similarity 52.3%; Pred. No. 1.8;

Matches 69; Conservative 0; Mismatches 63; Indels 0; Gaps 0;
QY 5 TCTGGATCGATTGCAAACTTACCTCCAAACCCAGCTTTGTATCTGCTTACTGTGAT 64
DB 404 TCATATATTGAGTATTGATCTTAATTCATAATCACTATTCACATGTTTCATTAAA 345
QY 65 CACCAAGTTGTGCTGATACGATGCGATTGCTCTTTCTCTAGAAATGTTCTGTG 124
DB 344 AAAACAAGTTTCGTATATAAACTTGGAAATATTGTTTAAATTAATTGAACGTACATT 285
QY 125 CCGATGCTTTAT 136
DB 284 GTTATGGGTCT 273

RESULT 7
US-09-949-016-16006
Sequence 16006, Application US/09949016
Patent No. 6812339
GENERAL INFORMATION:
APPLICANT: VENTER, J. Craig et al.
TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
FILE REFERENCE: CL001307
CURRENT APPLICATION NUMBER: US/09/949,016
CURRENT FILING DATE: 2000-04-14
PRIOR APPLICATION NUMBER: 60/241,755
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/237,768
PRIOR FILING DATE: 2000-10-03
PRIOR APPLICATION NUMBER: 60/231,498
PRIOR FILING DATE: 2000-09-08
NUMBER OF SEQ ID NOS: 207012
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 16006
LENGTH: 78125
TYPE: DNA
ORGANISM: Human
US-09-949-016-16006

Query Match 16.6%; Score 31; DB 4; Length 78125;
Best Local Similarity 68.3%; Pred. No. 7.9;
Matches 43; Conservative 0; Mismatches 20; Indels 0; Gaps 0;

QY 106 CTTCTCTAGAAATGTTCTGCGGATCTTTATAAGAGAAGGTTGTCAGATCGATCTCTG 165
DB 77416 CTGCTCTAGGCTGCTGCTGCTTAAAGAGAGAGGGTTTCCAGAAATCAGATGGG 77475
QY 166 CCA 168
DB 77476 ACA 77478

RESULT 8
US-09-949-016-14930
Sequence 14930, Application US/09949016
Patent No. 6812339
GENERAL INFORMATION:
APPLICANT: VENTER, J. Craig et al.
TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
FILE REFERENCE: CL001307
CURRENT APPLICATION NUMBER: US/09/949,016
CURRENT FILING DATE: 2000-04-14
PRIOR APPLICATION NUMBER: 60/241,755
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/237,768
PRIOR FILING DATE: 2000-10-03
PRIOR APPLICATION NUMBER: 60/231,498
PRIOR FILING DATE: 2000-09-08
NUMBER OF SEQ ID NOS: 207012
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 14930

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; LENGTH: 7960
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-14930

Query Match          16.5%; Score 30.8; DB 4; Length 7960;
Best Local Similarity 52.3%; Pred. No. 3.6;
Matches 68; Conservative 0; Mismatches 62; Indels 0; Gaps 0;

QY 7 CTGGATCGAATGCAATCTACCTCCAACCAACCCAGCTTTGATCTGCTTACTGTGATCA 66
Db 7366 CTGATTTATTTTATTTATTCATCTATACCAACCACTTTTGGATTCCTCAATTTTCC 7425

QY 67 CCAAGTTGCTGATACATGCGATTAATGCTCTTCTCTCTAGAAAGTTCTCTGCC 126
Db 7426 TAATATTAATCTCTTAAGATAATGATTCCTTTATTTTATTTCTATTTTGAGACA 7485

QY 127 GATGCTTTAT 136
Db 7486 GAGTCTCTCT 7495

RESULT 9
US-09-949-016-14693
; Sequence 14693, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 14693
; LENGTH: 85122
; TYPE: DNA
; ORGANISM: Human
; NAME/KEY: misc feature
; LOCATION: (1)-(85122)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-14693

Query Match          16.4%; Score 30.6; DB 4; Length 85122;
Best Local Similarity 50.3%; Pred. No. 11;
Matches 75; Conservative 0; Mismatches 74; Indels 0; Gaps 0;

QY 29 TCAACCAACCCAGCTTTGATCTGCTTATGATCACCACCAAGTTGTGCTGATACGATG 88
Db 11342 TCTATTCAATTTAGTTTCTGTTTGTGATTCCTTTGATTTTCAATTTGCTTAAATCTC 11401

QY 89 TCGGATTATGCTCTTCTCTCTAGAAAGTTCTCGCGATGCTTTATAAGAGAAGGTTG 148
Db 11402 TGTATGATTGATTTTCTCTCTCTAGAAAGTTCTCGCGATGCTTTATAAGAGAAGGTTG 148

QY 149 GTCAGCATCGATCTCTGCCAGTGTCTAGC 177
Db 11462 TAGATCTGTTATCTCTGACAGTTTTTGGC 11490

RESULT 10
US-09-949-016-12507
; Sequence 12507, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 12507
; LENGTH: 119214
; TYPE: DNA
; ORGANISM: Human
; NAME/KEY: misc feature
; LOCATION: (1)-(119214)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-12507

Query Match          16.4%; Score 30.6; DB 4; Length 119214;
Best Local Similarity 50.3%; Pred. No. 13;
Matches 75; Conservative 0; Mismatches 74; Indels 0; Gaps 0;

QY 29 TCCAACCAACCCAGCTTTGATCTGCTTATGATCACCACCAAGTTGTGCTGATACGATG 88
Db 45985 TCTATTCAATTTAGTTTCTGTTTGTGATTCCTTTGATTTTCAATTTGCTTAAATCTC 46044

QY 89 TCGGATTATGCTCTTCTCTCTAGAAAGTTCTCGCGATGCTTTATAAGAGAAGGTTG 148
Db 46045 TGTATGATTGATTTTCTCTCTCTATTCATTTCCGAGCCATACCACTCACATTT 46104

QY 149 GTCAGCATCGATCTCTGCCAGTGTCTAGC 177
Db 46105 TAGATCTGTTATCTCTGACAGTTTTTGGC 46133

RESULT 11
US-09-949-016-53012
; Sequence 53012, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 53012
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
; NAME/KEY: misc feature
; LOCATION: (1)-(601)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-53012

Query Match          16.1%; Score 30.2; DB 4; Length 601;
Best Local Similarity 53.9%; Pred. No. 2;
Matches 62; Conservative 0; Mismatches 53; Indels 0; Gaps 0;

QY 68 CAAAGTTGCTGATACGATGTCGATTTATGCTCTTTCTCTCTAGAAAGTTCTCTGCCG 127
Db 348 CCAAGTAGTCCAGAGTTTCTGCCAATGCTTGCTCTCTCTCTCTCTCTCTCTCTCTCT 407
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Qy 128 ATGCTTTATAGAGAGAGTGGTCCAGCATCGATCTCTCCAGTGTCTAGCTGAGA 182
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Db 408 ATTGATTATGAGCAAGAGGTTCCAGCTGAGCGTTTCAGCCAAATAGCCAGCTAACA 462

RESULT 12
US-09-949-016-13274/c
; Sequence 13274, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF

; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 13274
; LENGTH: 81681
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-13274

Query Match 16.1%; Score 30.2; DB 4; Length 81681;
Best Local Similarity 53.9%; Pred. No. 15;
Matches 62; Conservative 0; Mismatches 53; Indels 0; Gaps 0;
Qy 68 CAAAGTTGTGCTGATACATGCGATTATGCTCTTCTCTCTAGATTTCTGCGG 127
|||
Db 28147 CCAAGTAGCTCCAGAGTTTTCGCAATGCTGTGCTCTTCTCTCTCAGTGAAGACG 28088
|||
Qy 128 ATGCTTTATAGAGAGGTTGGTCCAGCATCTCTCCAGTGTCTAGCTGAGA 182
|||
Db 28087 ATTGATTATGAGCAAGAGGTTCCAGCTGAGCGCTTCAGCCAAATAGCCAGCTAACA 28033

RESULT 13
US-09-976-594-243/c
; Sequence 243, Application US/09976594
; Patent No. 6673549
; GENERAL INFORMATION:
; APPLICANT: Furness, Michael
; APPLICANT: Buchbinder, Jenny
; TITLE OF INVENTION: GENES EXPRESSED IN C3A LIVER CELL CULTURES TREATED WITH STEROIDS
; FILE REFERENCE: PA-0041 US
; CURRENT APPLICATION NUMBER: US/09/976,594
; CURRENT FILING DATE: 2001-10-12
; PRIOR APPLICATION NUMBER: 60/240,409
; PRIOR FILING DATE: 2000-10-12
; NUMBER OF SEQ ID NOS: 1143
; SOFTWARE: PERL Program
; SEQ ID NO 243
; LENGTH: 7212
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; OTHER INFORMATION: Incyte ID No. 6673549 379571.7
; NAME/KEY: unsure
; LOCATION: 5671, 5695, 5709, 5711
; OTHER INFORMATION: a, t, c, g, or other
US-09-976-594-243

Query Match 15.9%; Score 29.8; DB 4; Length 7212;
Best Local Similarity 51.1%; Pred. No. 7.7;

Matches 70; Conservative 0; Mismatches 67; Indels 0; Gaps 0;
Qy 17 TCGAAATCTACTCCAAACACCCAGCTTTGTATCTCTACTGTGATCAACAAAGTTGT 76
|||
Db 5249 TGGAACTCTCCCTGCTCCCTTCTCATCTGGGGTTTCCATCTGTCTCCCTCGGGCTGT 5190
|||
Qy 77 GCTGATAGATGTCGATTATGCTCTTCTCTCTAGAAATGTTCTGCGCATGCTTTAT 136
|||
Db 5189 GGAGCTAGATGCTGCTGTGGCTTTATTAATAAAGAAACAGTCCCGGGGCTTTGTCT 5130
|||
Qy 137 AAGAGAAAGTTGGTCCAG 153
|||
Db 5129 TGGTTGTGCTGCCAG 5113

RESULT 14
US-09-949-016-15379
; Sequence 15379, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 15379
; LENGTH: 150597
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)-(150597)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-15379

Query Match 15.8%; Score 29.6; DB 4; Length 150597;
Best Local Similarity 56.0%; Pred. No. 31;
Matches 56; Conservative 0; Mismatches 44; Indels 0; Gaps 0;
Qy 84 CGATGTCGATTATGCTCTTCTCTCTAGAAATGTTCTCCGCGATGCTTTATAGAGAA 143
|||
Db 9729 CCATGTGAGGCTATTAATTTTCTTAACAAAAATGTGTACATTGAGACTTCATTAAATCA 9788
|||
Qy 144 GGTGGTCAGCATCGATCTCTGCCAGTGTCTAGCTGAGAA 183
|||
Db 9789 GCTGTTTAAACAATCCTCATCTGTCCAGAACTTTGCTAAGAA 9828

RESULT 15
US-09-328-352-3148/c
; Sequence 3148, Application US/09328352
; Patent No. 6562958
; GENERAL INFORMATION:
; APPLICANT: Gary L. Breton et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO ACINETOBACTER
; TITLE OF INVENTION: BAUMANNII FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: GTC99-03PA
; CURRENT APPLICATION NUMBER: US/09/328,352
; CURRENT FILING DATE: 1999-06-04
; NUMBER OF SEQ ID NOS: 8252
; SEQ ID NO 3148
; LENGTH: 699
; TYPE: DNA
; ORGANISM: Acinetobacter baumannii

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OM nucleic - nucleic search, using sw model

Run on: May 22, 2005, 10:33:14 ; Search time 135.89 Seconds
(without alignments)
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Title: US-10-058-566-5
Perfect score: 322
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Scoring table: IDENTITY NUC
Gapop 10.0 , Gapext 1.0

Searched: 1202784 seqs, 818138359 residues

Total number of hits satisfying chosen parameters: 2405568

Minimum DB seq length: 0
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Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents NA.*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	33.4	10.4	2013	US-09-134-000C-1201	Sequence 1201, Ap
2	32.8	10.2	268449	US-09-949-016-17244	Sequence 17244, A
3	32.4	10.1	4942	US-09-474-076-1	Sequence 1, Appli
4	32.4	10.1	6435	US-09-949-016-2884	Sequence 2884, Ap
5	32.4	10.1	6435	US-09-949-016-2885	Sequence 2885, Ap
6	32.4	10.1	6594	US-09-949-016-2990	Sequence 2990, Ap
7	32.4	10.1	6594	US-09-949-016-2991	Sequence 2991, Ap
8	32.4	10.1	21914	US-09-949-016-14626	Sequence 14626, A
9	32.4	10.1	21914	US-09-949-016-14627	Sequence 14627, A
10	32.4	10.1	21914	US-09-949-016-14732	Sequence 14732, A
11	32.4	10.1	21914	US-09-949-016-14733	Sequence 14733, A
12	32	9.9	3182	US-09-971-395-1	Sequence 1, Appli
13	32	9.9	3183	US-08-413-135-1	Sequence 1, Appli
14	31.8	9.9	1947	US-08-987-367-3	Sequence 3, Appli
15	31.6	9.8	64638	US-09-949-016-11767	Sequence 11767, A
16	31.6	9.8	64639	US-09-949-016-13520	Sequence 13520, A
17	31	9.6	1141	US-09-806-708B-22	Sequence 22, Appl
18	31	9.6	1753	US-09-436-699C-15	Sequence 15, Appl
19	31	9.6	2265	US-09-369-618-3	Sequence 3, Appli
20	31	9.6	2265	US-09-369-617-3	Sequence 3, Appli
21	31	9.6	78125	US-09-313-294A-5664	Sequence 16006, A
22	30.8	9.6	300	US-09-949-016-16006	Sequence 16006, A
23	30.8	9.6	7960	US-09-949-016-14930	Sequence 14930, A
24	30.6	9.5	85122	US-09-949-016-14693	Sequence 14693, A
25	30.6	9.5	119214	US-09-949-016-12507	Sequence 12507, A
26	30.2	9.4	601	US-09-949-016-53012	Sequence 53012, A
27	30.2	9.4	81681	US-09-949-016-13274	Sequence 13274, A

C 28	30.2	9.4	100567	4	US-09-949-016-16934	Sequence 16934, A
C 29	29.8	9.3	3328	4	US-09-949-016-2173	Sequence 2173, Ap
C 30	29.8	9.3	7212	4	US-09-976-594-243	Sequence 243, App
C 31	29.6	9.2	150597	4	US-09-949-016-15379	Sequence 15379, A
C 32	29.4	9.1	1830121	4	US-09-557-884-1	Sequence 1, Appli
C 33	29.4	9.1	1830121	4	US-09-643-990A-1	Sequence 1, Appli
C 34	29.2	9.1	699	4	US-09-328-352-3148	Sequence 3148, Ap
C 35	29.2	9.1	720	4	US-09-107-433-939	Sequence 939, App
C 36	29.2	9.1	1551	3	US-09-197-063-1	Sequence 1, Appli
C 37	29.2	9.1	1563	4	US-09-583-110-796	Sequence 796, App
C 38	29.2	9.1	2613	4	US-09-949-016-1668	Sequence 1668, Ap
C 39	29.2	9.1	2634	4	US-09-949-016-213	Sequence 213, App
C 40	29.2	9.1	2904	3	US-09-221-294-3	Sequence 3, Appli
C 41	29.2	9.1	3348	3	US-09-302-620B-94	Sequence 94, Appl
C 42	29.2	9.1	3428	4	US-09-912-161-12	Sequence 12, Appl
C 43	29.2	9.1	3428	4	US-09-919-039-77	Sequence 77, Appl
C 44	29.2	9.1	9048	3	US-08-961-527-159	Sequence 159, App
C 45	29	9.0	714	4	US-09-134-000C-3372	Sequence 3372, Ap

ALIGNMENTS

RESULT 1

US-09-134-000C-1201
; Sequence 1201, Application US/09134000C
; Patent No. 6617156
; GENERAL INFORMATION:
; APPLICANT: Lynn Doucette-Stamm et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO
; FILE REFERENCE: 032796-032
; CURRENT APPLICATION NUMBER: US/09/134.000C
; CURRENT FILING DATE: 1998-08-13
; PRIOR APPLICATION NUMBER: US 60/055,778
; PRIOR FILING DATE: 1997-08-15
; NUMBER OF SEQ ID NOS: 6812
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1201
; LENGTH: 2013
; TYPE: DNA
; ORGANISM: Enterococcus faecalis
US-09-134-000C-1201

Query Match	10.4%	Score 33.4;	DB 4;	Length 2013;
Best Local Similarity	52.5%	Pred. No. 0.38;		
Matches	73;	Conservative	0;	Mismatches 66; Indels 0; Gaps 0;
Qy	143	GGATCGATTGCAATCTACCTCAACCAACCCAGCTTTGTTATCTGCTTACTGTGATCAC	202	
Db	1698	TGGAACGATTGTCACTATTCCCAACAAACATGATAGTTTGTGTTTTCAGATAACGG	1757	
Qy	203	CAAGTTGTCTGATGATGCGATATGCTCTTCTCTCTAGATGTTCTGCGC	262	
Db	1758	CACAGAATTATGATTCATTTGGATTGATACAGTTCAATTAGAACGGAAGCGTTTGA	1817	
Qy	263	ATGCTTTTATAAGAGAAGGT 281		
Db	1818	AGCTTTTGTAAACACAGGT 1836		

RESULT 2

US-09-949-016-17244
; Sequence 17244, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755

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; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 17244
; LENGTH: 268449
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)-(268449)
; OTHER INFORMATION: n = A,T,C or G
;
US-09-949-016-17244

Query Match      10.2%; Score 32.8; DB 4; Length 268449;
Best Local Similarity 59.8%; Pred. No. 7.5;
Matches 55; Conservative 0; Mismatches 37; Indels 0; Gaps 0;

QY 208 TTGTGCTGATACGATGCGATTATGCTCTTTCTCTAGAAATGTTCTCGCCGATGCT 267
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 92262 TTATCTGATAGATTCTCAATATTCTCTGTGTTATCTTGAAATTTGTTGACCTTCT 92321

QY 268 TTATAAGAGAAGTTGTCAGCATCGATCTCT 299
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 92322 CAATAAATTTATTTGAATTCGTCTATCTCT 92353

RESULT 3
US-09-474-076-1
; Sequence 1, Application US/09474076
; Patent No. 6465237
; GENERAL INFORMATION:
; APPLICANT: Tomlinson, James E.
; TITLE OF INVENTION: CLONING AND CHARACTERIZATION OF A HUMAN ADENYLYL
; FILE REFERENCE: CYCLASE
; CURRENT APPLICATION NUMBER: US/09/474,076
; CURRENT FILING DATE: 1999-12-12
; PRIOR APPLICATION NUMBER: PCT/US98/13694
; PRIOR FILING DATE: 1998-07-01
; PRIOR APPLICATION NUMBER: 60/070,904
; PRIOR FILING DATE: 1997-07-01
; PRIOR APPLICATION NUMBER: 08/886,550
; PRIOR FILING DATE: 1997-07-01
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1
; LENGTH: 4942
; TYPE: DNA
; ORGANISM: human type VI adenylyl cyclase
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (145)..(3648)
;
US-09-474-076-1

Query Match      10.1%; Score 32.4; DB 3; Length 4942;
Best Local Similarity 49.4%; Pred. No. 1.4;
Matches 84; Conservative 0; Mismatches 86; Indels 0; Gaps 0;

QY 86 AATGGCGCAGTCGCTACTTATCACACCAACTTATCACCTAGAAAAGCGCCTCTGG 145
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 4559 AAGGGGGCATGGAGCATCTCTCTCTCTGTTGCCAAATAGAAAAGGTCAGGGCATGG 4618

QY 146 ATCGATTGCAATCTACCTCCACCAACCCAGCTTGTATCTGCTTACTGTATCACCNA 205
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 4619 AGAAGGTGACCTGTATGCCAAACCTGCCCTCCCAAGTCTCTGTTGGGAGGCGCG 4678

QY 206 AGTTGTGCTGATACGATGTCGATTATGCTCTTTCTCTAGAAATGTT 255
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
;
US-09-949-016-17244

Query Match      10.1%; Score 32.8; DB 4; Length 268449;
Best Local Similarity 59.8%; Pred. No. 7.5;
Matches 55; Conservative 0; Mismatches 37; Indels 0; Gaps 0;

QY 208 TTGTGCTGATACGATGCGATTATGCTCTTTCTCTAGAAATGTTCTCGCCGATGCT 267
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 92262 TTATCTGATAGATTCTCAATATTCTCTGTGTTATCTTGAAATTTGTTGACCTTCT 92321

QY 268 TTATAAGAGAAGTTGTCAGCATCGATCTCT 299
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 92322 CAATAAATTTATTTGAATTCGTCTATCTCT 92353

RESULT 4
US-09-949-016-2884
; Sequence 2884, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2884
; LENGTH: 6435
; TYPE: DNA
; ORGANISM: Human
;
US-09-949-016-2884

Query Match      10.1%; Score 32.4; DB 4; Length 6435;
Best Local Similarity 49.4%; Pred. No. 1.6;
Matches 84; Conservative 0; Mismatches 86; Indels 0; Gaps 0;

QY 86 AATGGCGCAGTCGCTACTTATCACACCAACTTATCACCTAGAAAAGCGCCTCTGG 145
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 4950 AAGGGGGCATGGAGCATCTCTCTCTCTGTTGCCAAATAGAAAAGGTCAGGGCATGG 5009

QY 146 ATCGATTGCAATCTACCTCCACCAACCCAGCTTGTATCTGCTTACTGTATCACCNA 205
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 5010 AGAAGGTGACCTGTATGCCAAACCTGCCCTCCCAAGTCTCTGTTGGGAGGCGCG 5069

QY 206 AGTTGTGCTGATACGATGTCGATTATGCTCTTTCTCTAGAAATGTT 255
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Db 5070 TGTGTTTGTGTAAGTGTGTCATGTTGTCCTTTGTCATATCTGTT 5119

RESULT 5
US-09-949-016-2885
; Sequence 2885, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2885
; LENGTH: 6435
; TYPE: DNA
; ORGANISM: Human
;
US-09-949-016-2885

Query Match      10.1%; Score 32.4; DB 4; Length 6435;
Best Local Similarity 49.4%; Pred. No. 1.6;
Matches 84; Conservative 0; Mismatches 86; Indels 0; Gaps 0;
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; Sequence 14627, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 14627
; LENGTH: 21914
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc.feature
; LOCATION: (1)...(21914)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-14627

Query Match 10.1%; Score 32.4; DB 4; Length 21914;
Best Local Similarity 49.4%; Pred. No. 2.9;
Matches 84; Conservative 0; Mismatches 86; Indels 0; Gaps 0;

QY 86 AATGGCGAGTCGCTTACTTATCACCACCACTTATCAGTATGCTTCTCTAGAAATGTT 255
DB 18428 AAGGGGCGATGGAGCATCTCTCTCTTCTGTCCTCCCAAGTCTCTGTTGGGAGGCGCG 18487

QY 146 ATCGATTGCAATCTACCTCCAAACCAACCCAGCTTTGTATCTGCTTACTGTGATCACC 205
DB 18488 AGAAGGTGACCTGATCCCAACCTGCCCTCCCAAGTCTCTGTTGGGAGGCGCG 18547

QY 206 AGTTGTGCTGATGATGCGATTTATGCTTCTTCTCTAGAAATGTT 255
DB 18548 TGTGTTGTGTAAGTCTGCTGTCATGTTGCTCTTTGTGTCATATCTGTT 18597

RESULT 10
US-09-949-016-14732
; Sequence 14732, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 14732
; LENGTH: 21914
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc.feature
; LOCATION: (1)...(21914)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-14732

Query Match 10.1%; Score 32.4; DB 4; Length 21914;
Best Local Similarity 49.4%; Pred. No. 2.9;
Matches 84; Conservative 0; Mismatches 86; Indels 0; Gaps 0;

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QY 146 ATCGATTGCAATCTACCTCCAAACCAACCCAGCTTTGTATCTGCTTACTGTGATCACC 205
DB 18488 AGAAGGTGACCTGATCCCAACCTGCCCTCCCAAGTCTCTGTTGGGAGGCGCG 18547

QY 206 AGTTGTGCTGATGATGCGATTTATGCTTCTTCTCTAGAAATGTT 255
DB 18548 TGTGTTGTGTAAGTCTGCTGTCATGTTGCTCTTTGTGTCATATCTGTT 18597

RESULT 11
US-09-949-016-14733
; Sequence 14733, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 14733
; LENGTH: 21914
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc.feature
; LOCATION: (1)...(21914)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-14733

Query Match 10.1%; Score 32.4; DB 4; Length 21914;
Best Local Similarity 49.4%; Pred. No. 2.9;
Matches 84; Conservative 0; Mismatches 86; Indels 0; Gaps 0;

QY 86 AATGGCGAGTCGCTTACTTATCACCACCACTTATCAGTATGCTTCTCTAGAAATGTT 145
DB 18428 AAGGGGCGATGGAGCATCTCTCTCTTCTGTCCTCCCAAGTCTCTGTTGGGAGGCGCG 18487

QY 146 ATCGATTGCAATCTACCTCCAAACCAACCCAGCTTTGTATCTGCTTACTGTGATCACC 205
DB 18488 AGAAGGTGACCTGATCCCAACCTGCCCTCCCAAGTCTCTGTTGGGAGGCGCG 18547

QY 206 AGTTGTGCTGATGATGCGATTTATGCTTCTTCTCTAGAAATGTT 255
DB 18548 TGTGTTGTGTAAGTCTGCTGTCATGTTGCTCTTTGTGTCATATCTGTT 18597

RESULT 12
US-08-971-395-1/c
; Sequence 1, Application US/089711395
; Patent No. 6359197
; GENERAL INFORMATION:
; APPLICANT: Amasino, Richard M
; APPLICANT: No. 6359197, Yoo-Sun
; APPLICANT: Gan, Susheng
; TITLE OF INVENTION: Transgenic Plants with Altered
; Senescence Characteristics


```
;
;
; NUMBER OF SEQUENCES: 5
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Quarles & Brady
; STREET: 1 South Pinckney Street
; CITY: Madison
; STATE: WI
; COUNTRY: US
; ZIP: 53701-2113
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/971,395
; FILING DATE:
; CLASSIFICATION: 800
; ATTORNEY/AGENT INFORMATION:
; NAME: Seay, Nicholas J.
; REGISTRATION NUMBER: 27386
; REFERENCE/DOCKET NUMBER: 960296.94908
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 608-251-5000
; TELEFAX: 608-251-9166
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3182 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; DESCRIPTION: /desc = "SAG12-1 Promoter DNA"
; US-08-971-395-1

Query Match          9.9%; Score 32; DB 3; Length 3182;
Best Local Similarity 50.7%; Pred. No. 1.5;
Matches 77; Conservative 0; Mismatches 75; Indels 0; Gaps 0;

Qy 120 TCACCTAGAAAGCGAGCGCTCTGGATTCGAAATCTACCTCCAAACCCAGCT 179
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Db 424 TCATATATACATCATTCATATATGAGTATTCATTAATTCATATCAACT 365

Qy 180 TTGTATCTGCTTACTGTGATCACCAGAGTTGTCTGATACGATGCGATTATGCTCTT 239
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 364 ATTCAACTGTTTTCATTAATAAAACAAAGTTTCGTATATAAACTTGGAAATATTGTTTT 305

Qy 240 TCCTCTCTAGATGTTCTCTGCGATGCTTTAT 271
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Db 304 AATTAATTGAACGTACATTCATTATGGGTCT 273

US-08-971-395-1

Query Match          9.9%; Score 32; DB 1; Length 3183;
Best Local Similarity 50.7%; Pred. No. 1.5;
Matches 77; Conservative 0; Mismatches 75; Indels 0; Gaps 0;

Qy 120 TCACCTAGAAAGCGAGCGCTCTGGATTCGAAATCTACCTCCAAACCCAGCT 179
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 424 TCATATATACATCATTCATATATGAGTATTCATTAATTCATATCAACT 365

Qy 180 TTGTATCTGCTTACTGTGATCACCAGAGTTGTCTGATACGATGCGATTATGCTCTT 239
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Db 364 ATTCAACTGTTTTCATTAATAAAACAAAGTTTCGTATATAAACTTGGAAATATTGTTTT 305

Qy 240 TCCTCTCTAGATGTTCTCTGCGATGCTTTAT 271
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Db 304 AATTAATTGAACGTACATTCATTATGGGTCT 273

US-08-413-135-1

APPLICATION NUMBER: US/08/413,135
FILING DATE:
CLASSIFICATION: 800
ATTORNEY/AGENT INFORMATION:
NAME: Seay, Nicholas J.
REGISTRATION NUMBER: 27,386
REFERENCE/DOCKET NUMBER: 960296.92808
TELECOMMUNICATION INFORMATION:
TELEPHONE: 608-251-5000
TELEFAX: 608-251-9166
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 3183 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: other nucleic acid
DESCRIPTION: /desc = "SAG12-1 Promoter DNA"
US-08-413-135-1

Query Match          9.9%; Score 32; DB 1; Length 3183;
Best Local Similarity 50.7%; Pred. No. 1.5;
Matches 77; Conservative 0; Mismatches 75; Indels 0; Gaps 0;

Qy 120 TCACCTAGAAAGCGAGCGCTCTGGATTCGAAATCTACCTCCAAACCCAGCT 179
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Db 424 TCATATATACATCATTCATATATGAGTATTCATTAATTCATATCAACT 365

Qy 180 TTGTATCTGCTTACTGTGATCACCAGAGTTGTCTGATACGATGCGATTATGCTCTT 239
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Db 364 ATTCAACTGTTTTCATTAATAAAACAAAGTTTCGTATATAAACTTGGAAATATTGTTTT 305

Qy 240 TCCTCTCTAGATGTTCTCTGCGATGCTTTAT 271
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Db 304 AATTAATTGAACGTACATTCATTATGGGTCT 273

US-08-413-135-1/c

SEQUENCE 3, Application US/08987367
Patent No. 6399859
GENERAL INFORMATION:
APPLICANT: Nichols, Scott
APPLICANT: Dhugga, Kanwarpal S.
APPLICANT: Singletary, George William
APPLICANT: Saunders, Court
APPLICANT: Wither, Derrick
APPLICANT: Bruce, Wesley B.
APPLICANT: Sims, Lynne
APPLICANT: Lu, Guihua
APPLICANT: Zhong, Gan-Yuan
TITLE OF INVENTION: PLANT URIDINE DIPHOSPHATE-GLUCOSE
NUMBER OF SEQUENCES: 5
CORRESPONDENCE ADDRESS:
ADDRESSEE: SEED and BERRY LLP
STREET: 6300 Columbia Center, 701 Fifth Avenue
CITY: Seattle
STATE: Washington
COUNTRY: USA
ZIP: 98104
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/987,367
FILING DATE: 10-DEC-1997
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Jones, Phil B.C.
REGISTRATION NUMBER: 38,195

RESULT 13
US-08-413-135-1/c
SEQUENCE 1, Application US/08413135
Patent No. 5689042
GENERAL INFORMATION:
APPLICANT: Amasino, Richard M
APPLICANT: Gan, Sushang
TITLE OF INVENTION: Transgenic Plants with Altered
NUMBER OF SEQUENCES: 3
CORRESPONDENCE ADDRESS:
ADDRESSEE: Quarles & Brady
STREET: 1 South Pinckney Street
CITY: Madison
STATE: WI
COUNTRY: US
ZIP: 53703
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
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; REFERENCE/DOCKET NUMBER: 750027.404
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206) 622-4900
; TELEFAX: (206) 682-6031
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1947 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-08-987-367-3

Query Match          9.9%; Score 31.8; DB 3; Length 1947;
Best Local Similarity 67.2%; Pred. No. 1.4;
Matches 45; Conservative 0; Mismatches 22; Indels 0; Gaps 0;

QY 14 GCGGTTCAACTGAACCGTAAACAGTGGAAAGTGGATACCTTTTCTCTCTCTGCAATCCGT 73
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Db 113 GCGGTTCAACCGCACCCACCGACGGAGAGAGAGAGGAGCGGCGATCTCTCTCTGCTTCCCTT 54
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QY 74 GCGGTGG 80
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Db 53 GCGCGG 47

RESULT 15
US-09-949-016-11767/c
; Sequence 11767, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 11767
; LENGTH: 64638
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(64638)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-11767

Query Match          9.8%; Score 31.6; DB 4; Length 64638;
Best Local Similarity 65.7%; Pred. No. 9.6;
Matches 46; Conservative 0; Mismatches 24; Indels 0; Gaps 0;

QY 181 TGTATCTGCTTACTGTGATCAACCAAGTTGCTGTGATGATGCGATTATTGCTCTTTT 240
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Db 47673 TATATAAGATTAAATGAGCAGTGAAGTTTGTATAGACATTCAGCTTTTATTCCTCTTC 47614
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QY 241 CTTCTCTAGA 250
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Db 47613 ATTCTCTAAA 47604
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Search completed: May 22, 2005, 13:49:32
Job time : 130.89 secs

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: May 22, 2005, 13:22:20 ; Search time 525.701 Seconds
(without alignments)
3756.139 Million cell updates/sec

Title: US-10-058-566-5

Perfect score: 322

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Gapop 10'0 , Gapext 1.0

Searched: 5695437 seqs, 3066160638 residues

Total number of hits satisfying chosen parameters: 11390874

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

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- 18: /cgn2_6/ptodata/1/pubnpa/US10F_PUBCOMB.seq:*
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- 20: /cgn2_6/ptodata/1/pubnpa/US11_NEW_PUB.seq:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	322	100.0	322	13	US-10-058-566-5
2	322	100.0	2544	13	US-10-058-566-3
3	187	58.1	187	13	US-10-058-566-6
4	44.2	13.7	714	17	US-10-260-238-2894
5	33.4	10.4	9797	9	US-09-070-927A-550
6	33	10.2	88576	17	US-10-085-117-319
7	32.6	10.1	1601042	13	US-10-027-632-59064
8	32.6	10.1	1601042	17	US-10-027-632-59064
9	32.4	10.1	533	17	US-10-424-599-77478
10	32.4	10.1	1411	17	US-10-424-599-104812
11	32.4	10.1	4942	13	US-10-201-000-1

12	32.4	10.1	6440	18	US-10-719-993-266	Sequence 266, App
13	32.4	10.1	6594	19	US-10-887-553A-116	Sequence 116, App
14	32.4	10.1	6599	18	US-10-719-993-267	Sequence 267, App
15	32.4	10.1	29921	18	US-10-719-993-6848	Sequence 6848, App
16	32	9.9	3183	16	US-10-072-077A-1	Sequence 1, Appli
17	31.8	9.9	243	18	US-10-425-115-6855	Sequence 6855, App
18	31.8	9.9	285	9	US-09-294-093B-5286	Sequence 5286, App
19	31.8	9.9	394	18	US-10-425-115-160956	Sequence 160956, App
20	31.8	9.9	1861	17	US-10-425-114-24318	Sequence 24318, A
21	31.8	9.9	1947	17	US-10-097-691-3	Sequence 3, Appli
22	31.8	9.9	2617	18	US-10-425-115-151022	Sequence 151022, App
23	31.8	9.9	94917	13	US-10-087-192-184	Sequence 184, App
24	31.6	9.8	1047	17	US-10-369-493-42137	Sequence 42137, A
25	31.6	9.8	352938	18	US-10-322-696-79	Sequence 79, Appli
26	31.4	9.8	39105	19	US-10-741-600-17653	Sequence 17653, A
27	31.2	9.7	1411	17	US-10-425-114-23051	Sequence 23051, A
28	31.2	9.7	1420	18	US-10-425-115-100941	Sequence 100941, App
29	31	9.6	1753	17	US-10-454-199-15	Sequence 15, Appli
30	31	9.6	1852	18	US-10-437-963-71135	Sequence 71135, A
31	30.8	9.6	3000	19	US-10-489-062-1	Sequence 1, Appli
32	30.8	9.6	29963	19	US-10-741-600-17858	Sequence 17858, A
33	30.8	9.6	86893	19	US-10-741-600-17773	Sequence 17773, A
34	30.6	9.5	479	18	US-10-653-047-3483	Sequence 3483, App
35	30.6	9.5	637	13	US-10-027-632-189544	Sequence 189544, App
36	30.6	9.5	637	17	US-10-027-632-189544	Sequence 189544, App
37	30.4	9.4	2723	17	US-10-424-599-128315	Sequence 128315, A
38	30.2	9.4	311	18	US-10-357-930-60121	Sequence 60121, A
39	30.2	9.4	664	18	US-10-425-115-4800	Sequence 4800, App
40	30.2	9.4	1648	18	US-10-425-115-166128	Sequence 166128, App
41	30.2	9.4	1650	18	US-10-739-930-2202	Sequence 2202, App
42	30.2	9.4	1683	18	US-10-425-115-151019	Sequence 151019, App
43	30.2	9.4	1952	18	US-10-425-115-151016	Sequence 151016, App
44	30.2	9.4	7221	9	US-09-764-855-234	Sequence 234, App
45	30.2	9.4	7221	14	US-10-072-349-234	Sequence 234, App

ALIGNMENTS

RESULT 1
US-10-058-566-5
; Sequence 5, Application US/10058566
; Publication No. US20020183274A1
; GENERAL INFORMATION:
; APPLICANT: ALBERTSEN, MARC
; APPLICANT: FOX, TIM
; APPLICANT: HUFFMAN, GARY
; APPLICANT: TRIMNELL, MARY
; TITLE OF INVENTION: NUCLEOTIDE SEQUENCES MEDIATING MALE FERTILITY AND
; FILE REFERENCE: PHI 1147
; CURRENT APPLICATION NUMBER: US/10/058.566
; CURRENT FILING DATE: 2002-01-28
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 5
; LENGTH: 322
; TYPE: DNA
; ORGANISM: Zea mays
US-10-058-566-5

Query Match	100.0%	Score 322;	DB 13;	Length 322;
Best Local Similarity	100.0%	Pred. No. 6.1e-100;	Mismatches 0;	Indels 0; Gaps 0;
Matches 322;	Conservative 0;			
Qy	1	GAATTCCTCGTCCGCGGTCAACTGAACCGTAAACAGTGGAAAGTGGATACCTTTCTCT 60		
Db	1	GAATTCCTCGTCCGCGGTCAACTGAACCGTAAACAGTGGAAAGTGGATACCTTTCTCT 60		
Qy	61	CTCTGCAATCCGTCGCCGTGGAGCAATGGCGGAGTCCCTACTTATCACCACCACTTAT 120		
Db	61	CTCTGCAATCCGTCGCCGTGGAGCAATGGCGGAGTCCCTACTTATCACCACCACTTAT 120		

QY 121 CACCTAGAAAAGCGAGCGCTCTGGATCGATTGCAAAATCTACCTCCAAACCAACCCAGCTT 180
DB 121 CACCTAGAAAAGCGAGCGCTCTGGATCGATTGCAAAATCTACCTCCAAACCAACCCAGCTT 180
QY 181 TGTATCTGCTTACTGTGATCACCAAAAGTTGTCTGATACGATGTGCGATTATTGCTCTTT 240
DB 181 TGTATCTGCTTACTGTGATCACCAAAAGTTGTCTGATACGATGTGCGATTATTGCTCTTT 240
QY 241 CTTCTCTAGAAATGTTCTCTCCGATGCTTTTATAAGAGAAGTTGGTCAGCATGATCTCTG 300
DB 241 CTTCTCTAGAAATGTTCTCTCCGATGCTTTTATAAGAGAAGTTGGTCAGCATGATCTCTG 300
QY 301 CCAGTGTCTAGCTGAGAACATG 322
DB 301 CCAGTGTCTAGCTGAGAACATG 322

RESULT 2
US-10-058-566-3
; Sequence 3, Application US/10058566
; Publication No. US20020183274A1
; GENERAL INFORMATION:
; APPLICANT: ALBERTSEN, MARC
; APPLICANT: FOX, TIM
; APPLICANT: HUFFMAN, GARY
; APPLICANT: TRIMMELL, MARY
; TITLE OF INVENTION: NUCLEOTIDE SEQUENCES MEDIATING MALE FERTILITY AND
; FILE REFERENCE: PHI 1147
; CURRENT APPLICATION NUMBER: US/10/058,566
; CURRENT FILING DATE: 2002-01-28
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3
; LENGTH: 2544
; TYPE: DNA
; ORGANISM: Zea mays
-US-10-058-566-3

Query Match 100.0%; Score 322; DB 13; Length 2544;
Best Local Similarity 100.0%; Pred. No. 1.6e-99;
Matches 322; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 GAATTCCTCTCGGCGGTCACCTGAACCGTAAACAGTGGAAAGTGGATCTCTTCTCT 60
DB 1 GAATTCCTCTCGGCGGTCACCTGAACCGTAAACAGTGGAAAGTGGATCTCTTCTCT 60
QY 61 CTCTGCAATCCGTGCGGTGGAAGCAAAATGGCGCAGTGGCTACTTATCACACCAACTTAT 120
DB 61 CTCTGCAATCCGTGCGGTGGAAGCAAAATGGCGCAGTGGCTACTTATCACACCAACTTAT 120
QY 121 CACCTAGAAAAGCGAGCGCTCTGGATCGATTGCAAAATCTACCTCCAAACCAACCCAGCTT 180
DB 121 CACCTAGAAAAGCGAGCGCTCTGGATCGATTGCAAAATCTACCTCCAAACCAACCCAGCTT 180
QY 181 TGTATCTGCTTACTGTGATCACCAAAAGTTGTCTGATACGATGTGCGATTATTGCTCTTT 240
DB 181 TGTATCTGCTTACTGTGATCACCAAAAGTTGTCTGATACGATGTGCGATTATTGCTCTTT 240
QY 241 CTTCTCTAGAAATGTTCTCTCCGATGCTTTTATAAGAGAAGTTGGTCAGCATGATCTCTG 300
DB 241 CTTCTCTAGAAATGTTCTCTCCGATGCTTTTATAAGAGAAGTTGGTCAGCATGATCTCTG 300
QY 301 CCAGTGTCTAGCTGAGAACATG 322
DB 301 CCAGTGTCTAGCTGAGAACATG 322

RESULT 3
US-10-058-566-6
; Sequence 6, Application US/10058566
; Publication No. US20020183274A1
; GENERAL INFORMATION:

; APPLICANT: ALBERTSEN, MARC
; APPLICANT: FOX, TIM
; APPLICANT: HUFFMAN, GARY
; APPLICANT: TRIMMELL, MARY
; TITLE OF INVENTION: NUCLEOTIDE SEQUENCES MEDIATING MALE FERTILITY AND
; FILE REFERENCE: PHI 1147
; CURRENT APPLICATION NUMBER: US/10/058,566
; CURRENT FILING DATE: 2002-01-28
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 6
; LENGTH: 187
; TYPE: DNA
; ORGANISM: Zea mays
US-10-058-566-6

Query Match 58.1%; Score 187; DB 13; Length 187;
Best Local Similarity 100.0%; Pred. No. 1.2e-53;
Matches 187; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 136 CGGTCTCTGGATCGATTGCAAAATCTACCTCCAAACCAACCCAGCTTGTATCTGCTTACTG 195
DB 1 CGGTCTCTGGATCGATTGCAAAATCTACCTCCAAACCAACCCAGCTTGTATCTGCTTACTG 60
QY 196 TGTACCAAAAGTTGTCTGATACGATGTGCGATTATTGCTCTTCTCTCTAGAAATGTT 255
DB 61 TGTACCAAAAGTTGTCTGATACGATGTGCGATTATTGCTCTTCTCTCTAGAAATGTT 120
QY 256 CTTGCCGATGCTTTATAAGAGAAGTTGGTCAGCATGATCTCTGCCAGTGTCTAGCTGA 315
DB 121 CTTGCCGATGCTTTATAAGAGAAGTTGGTCAGCATGATCTCTGCCAGTGTCTAGCTGA 180
QY 316 GAACATG 322
DB 181 GAACATG 187

RESULT 4
US-10-260-238-2894
; Sequence 2894, Application US/10260238
; Publication No. US20040016025A1
; GENERAL INFORMATION:
; APPLICANT: Budworth, Paul R.
; APPLICANT: Moughamer, Todd G.
; APPLICANT: Briggs, Steven P.
; APPLICANT: Cooper, Bret
; APPLICANT: Glazebrook, Jane
; APPLICANT: Goff, Stephen A.
; APPLICANT: Katagiri, Fumiyaki
; APPLICANT: Kreps, Joel
; APPLICANT: Provart, Nicholas
; APPLICANT: Ricke, Darrell
; APPLICANT: Zhu, Tong
; TITLE OF INVENTION: PROMOTERS FOR REGULATION OF PLANT EXPRESSION
; FILE REFERENCE: 60111-NP
; CURRENT APPLICATION NUMBER: US/10/260,238
; CURRENT FILING DATE: 2002-09-26
; PRIOR APPLICATION NUMBER: US 60/325,448
; PRIOR FILING DATE: 2001-09-26
; PRIOR APPLICATION NUMBER: US 60/325,277
; PRIOR FILING DATE: 2001-09-26
; PRIOR APPLICATION NUMBER: US 60/370,620
; PRIOR FILING DATE: 2002-04-04
; NUMBER OF SEQ ID NOS: 6077
; SEQ ID NO 2894
; LENGTH: 714
; TYPE: DNA
; ORGANISM: Triticum aestivum
US-10-260-238-2894
Query Match 13.7%; Score 44.2; DB 17; Length 714;
Best Local Similarity 61.3%; Pred. No. 0.00029;

Matches	106,	Conservative	0;	Mismatches	63;	Indels	4;	Gaps	2;
Qy	122	ACCTAGAAAAAGCGAGCGGCTCCTGATCGAATTGCAAAATCTACTCCAAACCAACCCAGCTTT	181						
Db	414	ACCTGTCACTAGATATCTTCAGAAATGTACTGTAAATCTGCAATCTACCAACCCAGCTTT	473						
Qy	182	GTATCTGCTTACTGTGTGATCAACAAAGTTGTGCTGATACGATGTGCGAATTATGTCTCTTTC	241						
Db	474	GTACCTGTTAAATACTGTGATCACAAAAATGGGG---TGATGAACCAATCTTGTATCTCTCC	530						
Qy	242	TTCTCTAGAAATGTTCTCGCCGATGCTTTTATAGAGAAGGTTGGTCAGCATGA	294						
Db	531	TCCTCTAGAAATGTTCTTTTGAGCTGC-TTATATGAGAGCTGGATTGTGCTCAA	582						

RESULT 5

US-09-070-927A-550/C
; Sequence 550, Application US/09070927A
; Patent No. US20020120116A1
; GENERAL INFORMATION:
; APPLICANT: Charles A. Kunsch
; Patrick J. Dillon
; Steven Barash
; TITLE OF INVENTION: Enterococcus faecialis Polynucleotides and Polypeptides
; NUMBER OF SEQUENCES: 982
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Human Genome Sciences, Inc.
; STREET: 9410 Key West Avenue
; CITY: Rockville
; STATE: Maryland
; COUNTRY: USA
; ZIP: 20850
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage
; COMPUTER: HP Vectra 486/33
; OPERATING SYSTEM: MSDOS version 6.2
; SOFTWARE: ASCII Text
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/070, 927A
; FILING DATE: 04-May-2000
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/046,655
; FILING DATE: 1997-05-16
; APPLICATION NUMBER: 60/044,031
; FILING DATE: 1997-05-06
; APPLICATION NUMBER: 60/066,009
; FILING DATE: 1997-11-14
; ATTORNEY/AGENT INFORMATION:
; NAME: Kenley K. Hoover
; REGISTRATION NUMBER: 40,302
; REFERENCE/DOCKET NUMBER: PB369
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (301) 309-8504
; TELEFAX: (301) 309-8512
; INFORMATION FOR SEQ ID NO: 550:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 9797 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 550:
US-09-070-927A-550

	Query Match	10.4%	Score 33.4	DB 9	Length 9797
	Best Local Similarity	52.5%	Prod. No. 5		
	Matches 73	Conservative	0	Mismatches 66	Indels 0
				Gaps 0	
QY	143	TGGATCGATTGCAAAATCTA	CTCCAAACCAACCCAGCTTTTGATCTGCTTACTGTGATCAAC	202	
DB	4260	TGGAACGATTGTCACATCT	TCCCAACAAAACATGTCATTAGGTTTGATTTTCAGATAACGG	4201	
QY	203	CAAAAGTTGTGTGATACGAT	GTGGGATTATGTCTCTTTCTCTCTAGAAAGTTCCTCCGCG	262	

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Db      4200 CACAGAAATTATTTGATTCATTATGGGAATTGATACAGTTCATTTAGAAGCGAAGCCTTTGA 4141
               ||| ||| ||| ||| ||| ||| .. | |||.. | |||
Qy      263 ATGCTTTATAAGAGAAGGT 281
             ||||| ||||| |||||
Db      4140 AGCTTTTTGTAACAACAGGT 4122
                ||||| ||||| |||||
RESULT 6
US-10-085-117-319
; Sequence 319, Application US/10085117
; Publication No. US20030232334A1
; GENERAL INFORMATION:
; APPLICANT: Morris, David W.
; APPLICANT: Engelhard, Eric K.
; TITLE OF INVENTION: NOVEL COMPOSITIONS AND METHODS FOR CANCER
; FILE REFERENCE: 529452000121
; CURRENT APPLICATION NUMBER: US/10/085,117
; CURRENT FILING DATE: 2002-02-27
; PRIOR APPLICATION NUMBER: US 09/798,586
; PRIOR FILING DATE: 2001-03-02
; NUMBER OF SEQ ID NOS: 361
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 319
; LENGTH: 88576
; TYPE: DNA
; ORGANISM: Mus musculus
; FEATURE:
; NAME/KEY: variation
; LOCATION: (1)..(88576)
; OTHER INFORMATION: n = any nucleotide
US-10-085-117-319
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RESULT 6

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US-10-085-117-319
; Sequence 319, Application US/10085117
; Publication No. US2003023234A1
; GENERAL INFORMATION:
; APPLICANT: Morris, David W.
; APPLICANT: Engelhard, Eric K.
; TITLE OF INVENTION: NOVEL COMPOSITIONS AND METHODS FOR CANCER
; FILE REFERENCE: 529452000121
; CURRENT APPLICATION NUMBER: US/10/085,117
; CURRENT FILING DATE: 2002-02-27
; PRIOR APPLICATION NUMBER: US 09/798,586
; PRIOR FILING DATE: 2001-03-02
; NUMBER OF SEQ ID NOS: 361
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 319
; LENGTH: 88576
; TYPE: DNA
; ORGANISM: Mus musculus
; FEATURE:
; NAME/KEY: variation
; LOCATION: (1)...(88576)
; OTHER INFORMATION: n = any nucleotide
US-10-085-117-319

Query Match          10.2%; Score 33; DB 17; Length 89576;
Best Local Similarity 49.7%; Pred. No. 19;
Matches      84; Conservative      0; Mismatches 85; Indels      0; Gaps      0;

Qy      43 AGTGGATATCTTTCTCTCTCTGCAATCGTGGCGGTGGAGCAATGGCGAGTCGCCTA 102
Db      51848 AATCAATATCTTAATCTCTGAGCCATCCCTCCAGTCCCAATCATATGATTTTAAACATT 51907

Qy      103 CTTATCACCAACTTATCACCTAGAAAGCACGCGTCCCTGGATCGATTGCAAAATCTTAC 162
Db      51908 CTTTAAAGAAACAGCAAGCAGCTGAGGGGGCCACAAAGCCCTCATGTCCGTTCATGTCA 51967

Qy      163 CTCACAAACCAACCGAGTTTGTATCTGCTTTATCTGTGATCACCAAAAGTTGT 211
Db      51968 CCCCCCCCCAGGTAAATGTGTGCTACTTCTTGTTGTTCCCAATTAATTTT 52016

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RESIT.T 7

```

RES001. 7
US-10-027-632-59064
; Sequence 59064, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; Polymorphisms in the Human Genome
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28

```

;; PRIOR APPLICATION NUMBER: US 60/146,002
;; PRIOR FILING DATE: 1999-08-09
;; NUMBER OF SEQ ID NOS: 325720
;; SOFTWARE: FastSeq for Windows Version 4.0
;; SEQ ID NO 59064
;; LENGTH: 1601042
;; TYPE: DNA
;; ORGANISM: Human
;; FEATURE:
;; NAME/KEY: misc_feature
;; LOCATION: (1)...(1601042)
;; OTHER INFORMATION: n = A,T,C or G
US-10-027-632-59064

Query Match 10.1%; Score 32.6; DB 13; Length 1601042;
Best Local Similarity 53.7%; Pred. No. 98;
Matches 66; Conservative 1; Mismatches 56; Indels 0; Gaps 0;

QY 6 CTCGCTCGCGGTCAACTGAACCGTAAACAGTGGAAAGTGATCTCTTCTCTCTG 65
DB 444322 CCTTCAACAGATAGCGAACCTTATGAAGTGAATTAGATCTCTTCCCTACCTC 444381

QY 66 CAATCGTCCGCGTGAAGCAATGGCGAGTCGCTACTTATCACCAACTTATCACT 125
DB 444382 ATTCGCDGTCCGCGACCACTGTAACACCATCTGGATAGGCTCAGACGCCCTATCATCA 444441

QY 126 AGA 128
DB 444442 ACA 444444

RESULT 8
US-10-027-632-59064
; Sequence 59064, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE OF INVENTION: Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 59064
; LENGTH: 1601042
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(1601042)
; OTHER INFORMATION: n = A,T,C or G
US-10-027-632-59064

Query Match 10.1%; Score 32.6; DB 17; Length 1601042;
Best Local Similarity 53.7%; Pred. No. 98;
Matches 66; Conservative 1; Mismatches 56; Indels 0; Gaps 0;

QY 6 CTCGCTCGCGGTCAACTGAACCGTAAACAGTGGAAAGTGATCTCTTCTCTCTG 65

DB 444322 CCCTTCAACAGATAGCGAACCTTATGAAGTGAATTAGATCTCTTCCCTACCTC 444381

QY 66 CAATCGTCCGCGTGAAGCAATGGCGAGTCGCTACTTATCACCAACTTATCACT 125
DB 444382 ATTCGCDGTCCGCGACCACTGTAACACCATCTGGATAGGCTCAGACGCCCTATCATCA 444441

QY 126 AGA 128
DB 444442 ACA 444444

RESULT 9
US-10-424-599-77478
; Sequence 77478, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated with
; FILE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 77478
; LENGTH: 533
; TYPE: DNA
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_40980C.1
US-10-424-599-77478

Query Match 10.1%; Score 32.4; DB 17; Length 533;
Best Local Similarity 54.1%; Pred. No. 2.9;
Matches 66; Conservative 0; Mismatches 56; Indels 0; Gaps 0;

QY 159 CTACCTCAACCAACCCAGCTTTCTATCTGTCTTACTGTGATCACCAAGTTGTCTGATA 218
DB 253 CTGCTTCATCTTCCCATCATCTCATGCCCCCTGGAATGGGATTCACCTGGCTGATT 312

QY 219 CGATGTGGGATTATTGCTCTTCTCTAGAAATGTTCTCCCGATGCTTTTATAAGAGAA 278
DB 313 TCGTCATGCGCTTTTCTTTTTCATGCTGGAATTTCTCTGCCCCCTGTTATAAGAGAA 372

QY 279 GG 280
DB 373 GG 374

RESULT 10
US-10-424-599-104812
; Sequence 104812, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated with
; FILE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 104812
; LENGTH: 1411
; TYPE: DNA
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_65661C.1
US-10-424-599-104812


```
; FILE REFERENCE: CL001496
; CURRENT APPLICATION NUMBER: US/10/719,993
; CURRENT FILING DATE: 2003-11-24
; NUMBER OF SEQ ID NOS: 55342
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 267
; LENGTH: 6599
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-719-993-267

Query Match      10.1%; Score 32.4; DB 18; Length 6599;
Best Local Similarity 49.4%; Pred. No. 9.1;
Matches 84; Conservative 0; Mismatches 86; Indels 0; Gaps 0;

QY 86 AATGGCGCAGTCGCCCTACTTATCACACCAACTTATCACCTAGAAAAGCAGCGCTCTGG 145
   |||||
Db 5110 AAGGGGCGCATGGAGCATCTCTCTCTCTGTTGCCAAATAGAAAAGGTCAGGGCATGG 5169

QY 146 ATCGATTGCAATCTACCTCCACCAACCCAGCTTTGTATCTGCTTACTGTGATCACCAA 205
   |||||
Db 5170 AGAAGGTGACCTGATGCCAAACCTGCCCTCCCAAGTCTCTGGTGTGGGAGGGCCCG 5229

QY 206 AGTTGTGCTGATACGATGTGCGATTATGTCTCTTTCTTCTCTAGAAATGTT 255
   |||||
Db 5230 TGTGTTTGTGTAAGTGTGTGTCATGTTGGTCTTTGTGTGCATATCTGTT 5279

RESULT 15
US-10-719-993-6848
; Sequence 6848, Application US/10719993
; Publication No. US20040265849A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: ALZHEIMER'S DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001496
; CURRENT APPLICATION NUMBER: US/10/719,993
; CURRENT FILING DATE: 2003-11-24
; NUMBER OF SEQ ID NOS: 55342
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 6848
; LENGTH: 29921
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)-(29921)
; OTHER INFORMATION: n = A,T,C or G, or insertion/deletion polymorphism (see Tables 1-
US-10-719-993-6848

Query Match      10.1%; Score 32.4; DB 18; Length 29921;
Best Local Similarity 49.4%; Pred. No. 18;
Matches 84; Conservative 0; Mismatches 86; Indels 0; Gaps 0;

QY 86 AATGGCGCAGTCGCCCTACTTATCACACCAACTTATCACCTAGAAAAGCAGCGCTCTGG 145
   |||||
Db 22433 AAGGGGCGCATGGAGCATCTCTCTCTGTTGCCAAATAGAAAAGGTCAGGGCATGG 22492

QY 146 ATCGATTGCAAACTACCTCCACCAACCCAGCTTTGTATCTGCTTACTGTGATCACCAA 205
   |||||
Db 22493 AGAAGGTGACCTGATCCCAACCTGCCCTCCCAAGTCTCTGGTGTGGGAGGGCCCG 22552

QY 206 AGTTGTGCTGATACGATGTGCGATTATGTCTTTCTTCTCTAGAAATGTT 255
   |||||
Db 22553 TGTGTTTGTGTAAGTGTGTGTCATGTTGGTCTTTTGTGTGCATATCTGTT 22602
```